

BRUHAT BANGALORE MAHANAGARA PALIKE
PRE- MEASUREMENTS

FIRST and FINAL BILL

NAME OF WORK: CONSTRUCTION OF GYMNESIUM BUILDING NEAR GOVT. SCHOOL, GROUND, JAKKUR IN WARD NO 5, JAKKUR BYATARAYANAPURA SUB DIVISION.

Sl No	Specification	Unit	No	Measurement			Qty
				Length	Breadth	Depth	
1	2	3	4	5	6	7	8
1	KSRB2-1.2 Earthwork in surface excavation ordinary soil for leveling and lowering the ground (other than foundation of buildings, culverts, road drains and trenches for pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of and neatly dressed as per specification. Specification NO KBS 2.1(b)/2.3.1 Page No-5 item No 2.1						
		Cum	1	22.00	$\frac{15.50+8.0}{2}$	0.15	51.70
						Net Qty	51.70

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2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item-No. 2.4						
	F1	Cum	12	1.95	1.95	1.80	82.13
			1	47.95	0.75	0.75	26.97
		Sump	1	3.00	2.00	3.00	18.00
							127.11
	Deduction Columns		12	1.95	0.75	0.75	13.16
						Net Qty	113.94

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3	KSRB 2.8 : Providing and filling in foundation with granite/trap broken metal 100mm, and down size, with approved sand including had packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. Specification. No. KBS, No. 6/ Item No. 2.15						
		Cum	12	1.95	1.90	0.30	13.34
					NET QTY		13.34

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4	KSRB 4-1.3: Providing and Laying in Position plain cement concrete of mix M7.5 with OPC Cement @ 180Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed machine mixed, concrete laid in layers not exceeding 15 cms thick well compacted , in foundation and plinth including cost of all materials , labour HOM of machinery curing complete as per specifications. Speicification No KBS 4.1 , 4.2 Page No 12 Item No 4.33						
	Columns	Cum	12	1.95	1.95	0.15	6.84
	All Round Walls		1	47.95	0.75	0.15	5.39
	Frens steps		1	2.95	1.05	0.15	0.46
	for Flooring Hall		1	$\frac{7.35+4.90}{2}$	$\frac{6.30+7.10}{2}$	0.15	6.16
	Store		1	3.20	2.50	0.15	1.20
	Stair Case		1	3.00	1.55	0.15	0.70
			1	3.00	2.00	0.15	0.90
	Both		1	1.60	1.55	0.15	0.37
			1	1.55	1.30	0.15	0.30
			1	3.20	0.90	0.15	0.43
	Flagging Concrete alround Building		1	11.10	0.90	0.15	1.50
			1	10.30	0.90	0.15	1.39
			1	7.05	0.90	0.15	0.95
			1	9.35	0.90	0.15	1.26
	For Connecting Road		1	58.50	4.50	0.15	39.49
							67.35
	Deduction of Colums		12	1.95	0.75	0.15	2.63
					NET QTY		64.72
					up to 125% Qty		47.58
					above 125% Qty		17.14

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5	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 25/ Item No. 5.5						
		Cum					
	Alla Round Columns		1	47.95	0.75	0.45	16.18
							16.18
	Deduction for Columns		12	0.45	0.20	0.45	0.49
				NET QTY			15.70
				up to 125% Qty			15.38
				above 125% Qty			0.32

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9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifcaitons. Specification No. KBS 4.6.2 Item No 4.28						
		F1 Sqm	12	1.30		5.70	88.92
							88.92

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10	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs. with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1. 4.2 Item No 4.7 Page 12						
	Coaping Concrete	Cum	1	5.00	2.00	0.15	1.50
							1.50

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11 KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page no 15 Item No 4.36

Allround Wall	Sqm	2	47.95	0.15	14.39
Roof side wall		1	11.1	0.15	1.67
		1	1.3	0.15	0.20
		1	5.25	0.15	0.79
		1	7.75	0.15	1.16
Tie Beam		1	47.95	0.15	7.19
Column Footing		12	8.4	0.75	75.60
					100.99

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12 KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page no 15 Item No 4.32

Stair Case	Sqm	2	3.50	0.75	5.25
Landing		1	1.80	0.75	1.35
Raiser		22	0.90	0.15	2.97
				Net Qty	9.57

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13 KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page no 15. Item No 4.34

	Sqm	1	$\frac{11.10+10.30}{2}$	$\frac{7.75+5.25}{2}$	69.55
				Net Qty	69.55

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KSRB 4.6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No 15 Item No 4.37

Chejjas W	Sqm	1	3.00	1 50	4 50
W1		6	1.50	0 45	4 05
W2		1	1.95	0 45	0 88
V		2	0.90	0 45	0 81
V1		4	0.55	0 45	0 99
					11.23

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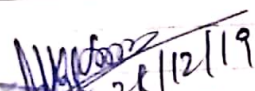
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16

KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No 16 Item No 4.46

12MM	Tonne					
Column- Mat- Main Bars and Distribution Bars		2X12	36 00X1 80	1555 20	0 89	1554.31
16MM						
Column- Main Bars		8X12	5 20	499 20	1 62	497 58
8MM						
Strips		12X34	1 45	591 60	0 39	591.21
12MM						
Plinth Beam Main Bars		5	11 10	55 50	0 89	54 61
		5	10 30	51 50	0 89	50 61
		2X5	7 75	77 50	0 89	76 61
		5	5 25	26 25	0 89	25 36
		5X3	3 50	52 50	0 89	51 61
8MM						
Strips		110	1 10	121 00	0 39	120 61
		103	1 10	113 30	0 39	112 91
		78	1 10	85 80	0 39	85 41
		52	1 10	57 20	0 39	56 81
		35	1 10	38 50	0 39	38 11
12MM						
Lintle Main Bars		5	11 10	55 50	0 89	54 61
		5	10 30	51 50	0 89	50 61

		2X5	7.75	77.50	0.89	76.61
		5	5.25	26.25	0.89	25.36
		5X3	3.50	52.50	0.89	51.61
8MM						
	Strips	110	1.00	110.00	0.39	109.61
		103	1.00	103.00	0.39	102.61
		78	1.00	78.00	0.39	77.61
		52	1.00	52.00	0.39	51.61
		35	1.00	35.00	0.39	34.61
12MM						
	Tie Beem Main Bars	5	11.10	55.50	0.89	54.61
		5	10.30	51.50	0.89	50.61
		2X5	7.75	77.50	0.89	76.61
		5	5.25	26.25	0.89	25.36
		5X3	3.50	52.50	0.89	51.61
8MM						
	Strips	110	1.00	110.00	0.39	109.61
		103	1.00	103.00	0.39	102.61
		78	1.00	78.00	0.39	77.61
		52	1.00	52.00	0.39	51.61
		35	1.00	35.00	0.39	34.61
12MM						
	Staircase	2X9	3.50	63.00	0.89	62.11
		14	1.80	25.20	0.89	24.31
8MM						
	staircase	35	0.90	31.50	0.39	31.11
		18	1.40	25.20	0.39	24.81
10MM						
	Roof Main Bars	80	7.20	576.00	0.62	575.38
		30	5.25	157.50	0.62	156.88
	Roof Distribution Bars	52	11.10	577.20	0.62	576.58
		25	10.30	257.50	0.62	256.88
	Additional Rods	35	7.20	252.00	0.62	251.38
		13	5.25	68.25	0.62	67.63
		23	11.10	255.30	0.62	254.68
		9	10.30	92.70	0.62	92.08
						6959.28
				i.e 6959.28/1000		6.96


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38 SRB 5.1-2 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:8 (uncoursed), bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.12 Page no 22 Item no 5.2

	Cum	1	3.14 X 6.25		3.00	14.72
						14.72
				up to 125% Qty	13.78	13.78
				above 125% Qty	0.94	0.94

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39 Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. - 10 cms thick Page no 24 Item No 5.31.3

	Sqm	1	1.8		0.6	1.08
		1	1.8		0.6	1.08
		1	1.8		0.6	1.08
		1	1.8		0.6	1.08
						4.32

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